



## SEQUENCE LISTING

STEM CELL PHARMACEUTICALS, INC.

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<120> TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE THEREFOR

<130> STEM1110-3

<140> US 09/932,172  
<141> 2001-08-17

<150> US 09/641,587  
<151> 2000-08-17

<150> US 09/492,935  
<151> 2000-01-27

<150> US 09/378,567  
<151> 1999-08-19

<160> 7

<170> PatentIn version 3.0

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<212> PRT  
<213> Homo sapiens

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Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys  
1 5 10 15

Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys  
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Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu  
35 40 45

Leu Ala  
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Val Val Ser His Phe Asn Lys Cys Pro Asp Ser His Thr Gln Tyr Cys  
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Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys  
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Val Cys His Ser Gly Tyr Val Gly Val Arg Cys Glu His Ala Asp Leu

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Asp Ala		
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<223> Modified human TGF-alpha sequence		
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Asp Ser His Thr Gln Phe Cys Phe His Gly Thr Cys Arg Phe Leu Val		
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Gln Glu Asp Lys Pro Ala Cys Val Cys His Ser Gly Tyr Val Gly Ala		
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Arg Cys Glu His Ala Asp Leu Leu Ala		
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<221> VARIANT		
<222> (1)..(10)		
<223> Xaa at residue 1, 5, 7 to 9 is independently V, G or A; Xaa at residue 6 is Y or F; and Xaa at residue 10 is R or K		
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Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Cys		
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<222> (1)..(7)		
<223> Xaa at residue 1 and 4 is E or D; Xaa at residue 3 and 7 is V, G, or A; Xaa at residue 5 is L or I; and Xaa at residue 6 is D or E		

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Xaa His Xaa Xaa Xaa Xaa Xaa  
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<210> 6

<211> 18

<212> PRT

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<223> Modified human TGF-alpha sequence fragment

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<222> (1)..(18)

<223> Xaa at residue 1, 5, 7-9, 14, 18 is indep. V, G, or A; Xaa at residue 6 is Y or F; Xaa at residue 10 is R or K; Xaa at residue 12, 15 is indep. E or D; Xaa at residue 16 is L or I; Xaa at residue 17 is D or E

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Xaa Cys His Ser Xaa Xaa Xaa Xaa Xaa Cys Xaa His Xaa Xaa Xaa  
1 5 10 15

Xaa Xaa

<210> 7

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<223> Modified human TGF-alpha sequence fragment

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<221> VARIANT

<222> (1)..(7)

<223> Xaa at residue 1 and 2 is indep. V, G, and A; Xaa at residue 7 is K or D

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Xaa Xaa Ser His Phe Asn Xaa  
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